

Amendments to the Claims:

7. (Amended) A communication apparatus for communicating with a personal computer in which a telephone computer director software is stored,

said apparatus comprising:

line control means connected to a telephone line for conducting a line control operation including a dialing operation;

bell signal detection means for detecting a bell signal to produce a bell signal detection information when the bell signal is received from the telephone line;

caller information detecting means for detecting a caller telephone number notified to a call receiver by a caller telephone number notification service; and

central control means for transmitting the bell signal detection information to the computer for activating a telephone computer directory software in the computer before said caller information detecting means detects the caller telephone number.

9. (Amended) A communication apparatus communicating with a personal computer,

said apparatus comprising:

line control means connected to a telephone line for conducting a line control operation a dialing operation;

bell signal detection means for detecting a bell signal to produce a bell signal detection information when the bell signal is received from the telephone line;

caller information detecting means for detecting a caller telephone number notified to a call receiver by a caller telephone number notification service; and

central control means for activating a telephone computer directory application software in the computer by detecting the bell signal information by said bell signal detecting means and, after detecting a caller telephone number information by said caller information detecting means, for causing the software to retrieve and display information that is stored in the computer and associated with the caller telephone number.

10. (Amended) The communication apparatus of claim 9, further comprising interface means for controlling a communication with the computer.

11. (Amended) A communication apparatus for communicating with a personal computer comprising:

first detecting means for detecting a bell signal information;

second detecting means for detecting a telephone number information;

memory means for storing caller information corresponding to the telephone number information;

display means for displaying the caller information

n; and

control means for activating a telephone computer directory application software after said first detecting means detects the bell signal information, and after said second detecting means detects the telephone number information, for retrieving the caller information stored in said memory means to display the relating information on said display means.

12. (Amended) A communication apparatus comprising:
a computer with telephone computer directory application software;
first detecting means for detecting a bell signal information;
second detecting means for detecting a telephone number information;
memory means for storing caller information corresponding to the telephone
number information;
display means for displaying the relating information; and
control means for activating the telephone computer directory application
software after said first detecting detects the bell signal information, and after said second
detecting means detects the telephone number information, for retrieving the caller
information stored in said memory means to display the caller information on said
display means.

13. (Amended) A communicating apparatus, comprising:
line control means connected to a telephone line for conducting a line
control operation including a dialing operation;
bell signal detection means for detecting a bell signal to produce a
detection information when the bell signal is received from the telephone line;
caller information detecting means for detecting a caller telephone
number notified to a call receiver by a caller telephone number notification service;
interface means for controlling a communication with a personal
computer; and

central control means for transmitting through the interface 1) the bell signal detection information for activating a telephone directory application software in the personal computer, and 2) immediately after a time when the bell signal is received, transmitting the caller telephone number which is detected by said caller information detecting means for causing the telephone directory application software to access and display information stored in the computer that is associated with the caller telephone number.

14. (Amended) A communicating apparatus, comprising:

a line control unit connected to a telephone line for conducting a line control operation including a dialing operation;

a bell signal detection unit for detecting a bell signal to produce a detection information when the bell signal is received from the telephone line;

a caller information detecting unit for detecting a caller telephone number notified to a call receiver by a caller telephone number notification service;

a central control unit for transmitting 1) the bell signal detection information for activating a telephone directory application software in the personal computer, and 2) immediately after a time when the bell signal is received, transmitting the caller telephone number which is detected by said caller information detecting unit for causing the telephone directory application software to access and display information stored in the computer that is associated with the caller telephone number.

15. (Amended) A communicating apparatus according to claim 14, further comprising:

a handset having a function for voice speech or a voice amplifying function;

a unit for closing the telephone line in accordance with a state of the handset; and

an off-hook detecting unit for detecting an event that the telephone line is closed at initiation of communication;

said central control unit transmitting information of the detection from the off-hook detecting unit to a directory application initiation request unit integrally included in the personal computer for activating the telephone directory application software in the personal computer when a call is originated from the communication apparatus.

16. (Amended) A communicating apparatus according to claim 14, further comprising:

an image reading unit for facsimile communication;

an operation unit for a user to close a line before initiating the facsimile communication; and

an off-hook detecting unit for detecting an event that the telephone line is closed at initiation of communication;

said control unit transmitting information of the detection from the off-hook detecting unit to a directory application initiation request unit integrally included in

the personal computer for activating the telephone directory application software in the personal computer when the line is closed before initiating the facsimile communication.

17. (Amended) A communicating apparatus according to claim 14, further comprising:

an off-hook detecting unit for detecting an event that the telephone line is closed at initiation of communication; wherein the central control unit for transmitting through the interface unit transmits:

a) information of the detection from the off-hook detection unit to a directory application initiation request unit incorporated in the personal computer for activating the telephone directory application software in the personal computer when a call is originated from the communicating apparatus, and

b) information of the detection from the off-detecting unit subsequent to detection of the bell signal for causing the telephone directory application software to display further information stored in the computer that is associated with the caller telephone number.

20. (Amended) A communicating method, comprising the steps of:
conducting a line control operation including a dialing operation;
detecting a bell signal to produce a detection information when the bell signal is received;

detecting a caller telephone number notified to a call receiver by a caller telephone number notification service;

controlling a serial communication with a personal computer; and
transmitting through an interface 1) the bell signal detection information
for activating a telephone directory application software in a personal computer, and 2)
immediately after a time when the bell signal is received, transmitting the caller
telephone number which is detected for causing the telephone directory application
software to access and display information stored in the computer that is associated with
the caller telephone number.